

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Satoshi KUME, et al.**

Serial No.: **Not Yet Assigned**

Filed: **February 8, 2002**

For: **HIGH-FREQUENCY HEAT-SEALING APPARATUS**

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

February 8, 2002

Sir:

Prior to the calculation of the filing fees of the above application, please amend the application as follows:

IN THE CLAIMS:

Please amend Claims 4, 5 and 6 as follows:

4. (Amended) The high-frequency heat-sealing apparatus according to claim 1 or 2, wherein the ridge that can press the central portion of a sealed zone is one continuous linear ridge that traverses over the whole area of the longitudinal direction of a sealed zone.

5. (Amended) The high-frequency heat-sealing apparatus according to claim 1 or 2, wherein the transverse contour of the ridge that can press the central portion of a sealed zone is arcuate.

6. (Amended) The heat-sealing apparatus according to claim 1 or 2, wherein the cross section of the groove is arcuate, and the depth of the groove is no greater than one half of its width.

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REMARKS

The above amendments to the claims have been made to place the application in better condition for examination.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

In the event there are any additional fees required, please charge our Deposit Account No. 01-2340.

Respectfully submitted,

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IN THE CLAIMS:

Claims 4, 5 and 6 have been amended as follows:

4. The high-frequency heat-sealing apparatus according to ~~any of claims 1 to 3~~ claim 1 or 2, wherein the ridge that can press the central portion of a sealed zone is one continuous linear ridge that traverses over the whole area of the longitudinal direction of a sealed zone.

5. The high-frequency heat-sealing apparatus according to ~~any of claims 1 to 4~~ claim 1 or 2, wherein the transverse contour of the ridge that can press the central portion of a sealed zone is arcuate.

6. The heat-sealing apparatus according to ~~any of claims 1 to 5~~ claim 1 or 2, wherein the cross section of the groove is arcuate, and the depth of the groove is no greater than one half of its width.